

IN THE CLAIMS

Please amend the claims as follows:

Claim 1-6 (Cancelled).

Claim 7 (Previously Presented): A color moving-image holographic reproducing device comprising:

- (a) a computer configured to create a computer-generated hologram from three-dimensional coordinate data of a three-dimensional object which is externally obtained;
- (b) a reflective liquid crystal display connected to the computer and configured to display the-computer-generated hologram;
- (c) a half mirror configured to project the displayed computer-generated hologram;
- (d) three light-emitting diodes of primary colors red (R), green (G), and blue (B) (LEDs) functioning as reference light source; and
- (e) the LEDs arranged on a two dimensional grid pattern and respectively emitting primary colors of light, red (R), green (G), and blue (B), at the same time, wherein a first LED of the R, G and B LEDs is disposed in the vicinity of a second LED in the horizontal direction and a third LED is disposed in the vicinity of the second LED in the vertical direction orthogonal to the horizontal direction;

wherein optical axes of color light beams from the LEDs are shifted from each other, the light beams are projected to the half mirror and onto the reflective liquid crystal display, and a color holographic image is formed from the computer-generated hologram.

Claim 8 (Cancelled).

Claim 9 (Cancelled).

Claim 10 (Previously Presented): The color moving-image holographic reproducing device according to Claim 7, wherein each of the R, G, and B LEDs has a pinhole filter and emits light to a collimator lens to generate parallel light, and the half mirror is illuminated with the parallel light.

Claim 11 (Previously Presented): The color moving-image holographic reproducing device according to Claim 10, wherein the size of a color reconstruction area is determined in accordance with a distance d_1 of the second LED to the first LED and the third LED, a distance d_2 between the pinhole filter and the collimator lens, and a distance d_3 between the reflective liquid crystal display and a field lens that produces a reconstructed image.

Claim 12 (Previously Presented) The color moving-image holographic reproducing device according to Claim 7, further comprising:

a dedicated high-speed parallel distributed processing system including a plurality of dedicated Large Scale Integrator LSIs between the computer and the reflective liquid crystal display.

Claim 13 (Previously Presented) The color moving-image holographic reproducing device according to Claim 12, wherein:

the dedicated high-speed parallel distributed processing system further comprises a shared memory for storing coordinates of an object, and

the plurality of dedicated LSI's are configured in parallel.